

Application No. 10/668,418

REMARKS

In the most recent Office Action, claims 1-13 have been rejected under 35 USC 102(b) in view of Shinada. Specifically, the Examiner points to column 4, lines 20-26 of Shinada to show a teaching of detecting, in the context of a traveling-shuttle corona-wire-cleaner, an increase in current consumption in an associated motor. This detection is used to control the reversal and stopping of the motor during a cycle of cleaning.

In the above Amendment, claim 1, from which all of the pending claims are dependent, has been amended to include the limitations of claims 10 and 11 as filed, namely, that the control means *measures a time* between an initiation of the motor and a condition of power consumption of the motor relative to a predetermined range, and reacts to a fault condition if the measured time between the initiation of the motor and the condition of power consumption of the motor within a predetermined range is *below* a predetermined threshold. In other words, according to claim 1 as amended, a fault condition occurs if the current "spike" (which normally indicates that the shuttle has reached one end of the corotron) *comes too early*. Such a condition would typically occur if the shuttle was for whatever reason "stuck" in the middle of the corotron.

Shinada teaches that detected current spikes can be used to cause reversal and stoppage of the shuttle at the *ends* of the corotron, such as when the shuttle reaches one end of the corotron and returns to its starting point. Shinada does not teach detecting (as recited in claim 1 as amended) a current spike coming *earlier* than expected, as would happen if the shuttle became stuck in the *middle* of the corotron. Absent such a teaching, Shinada does not anticipate Claim 1 as amended.

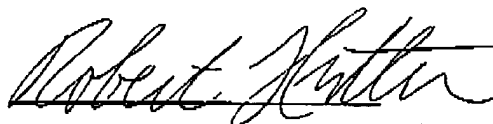
The remaining pending claims are all ultimately dependent from Claim 1. The claims are therefore in condition for allowance.

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No additional fee is believed to be required for this amendment; however, the undersigned Xerox Corporation attorney authorizes the charging of any necessary fees, other than the issue fee, to Xerox Corporation Deposit Account No. 24-0025.

In the event the Examiner considers personal contact advantageous to the disposition of this case, he is hereby requested to call the undersigned attorney at (585) 423-3811, Rochester, NY.

Respectfully submitted,



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